        This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of Claims

1   1. (previously presented)   A method for providing stream linking in audio/video

2   disk media, comprising:

3   when additional reading or writing locations in streams are desired in which each

4   stream of locations is a range of addresses on disk media for storing Audio/Video Data in

5   a contiguous area, sending a linked stream request with a number of a primary stream;

6   initiating a linked stream that is linked to the primary stream;

7   setting a pointer for the linked stream to the same location as a pointer for the

8   primary stream; and

9   during operation, processing the pointers for both the linked stream and the

10   primary stream.

1   2. (original)   The method of claim 1 wherein the setting of a pointer for the

2   linked stream to the same location as a pointer for the primary stream further comprises

3   setting a read audio/video pointer for the linked stream to the same location as the read

4   audio/video pointer of the primary stream.

1   3. (original)   The method of claim 1 wherein the linked stream inherits a

2   beginning and ending address from the primary stream.

1   4. (original)   The method of claim 1 wherein the linked stream and the primary

2   stream each include a read audio/video pointer and a write audio/video pointer.

1   5. (original)   The method of claim 4 wherein a passed pointer warning is set

2   when the linked stream read AV pointer passes the primary stream write AV pointer.

1   6. (original)   The method of claim 1 wherein a stream may not be linked to a

2   linked stream.

1   7. (original)   The method of claim 1 wherein the linked stream is disabled when
2   the primary stream is disabled.

1   8. (original)   The method of claim 1 wherein the linked stream and the primary
2   stream may be read and written to simultaneously.

1   9. (previously presented)   The method of claim 8 wherein the linked stream and
2   the primary stream each include a read audio/video pointer and a write audio/video
3   pointer.

1   10. (original)   The method of claim 9 wherein the read audio/video pointer
2   points to the next sector to read from and the write audio/video pointer points to the next
3   sector to write to.

1   11. (original)   The method of claim 1 further including moving the pointers with
2   a command.
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2   12-44. (cancelled).

1   45. (new)   A remote multimedia server, comprising:
2   a mass storage library for storing a plurality of multimedia programs each
3   segmented into at least one audio/video stream;
4   transmission means for transmitting the at least one audio/video stream to a
5   communication channel; and a local media control system, comprising:
6   a direct access storage device including at least one data storage disk; and a
7   controller for processing the coordinating writing of the at least one audio/video stream
8   received from the communication channel to the data storage disk, and for coordinating
9   reading of the at least one audio/video stream from the data storage disk, the controller
10   providing stream linking in audio/video disk media by sending a linked stream request
11   with a number of a primary stream when additional reading or writing locations in

12   streams are desired in which each stream of locations is a range of addresses on disk

13   media for storing Audio/Video Data in a contiguous area, initiating a linked stream that is

14   linked to the primary stream, setting a pointer for the linked stream to the same location

15   as a pointer for the primary stream, and, during operation, processing the pointers for

16   both the linked stream and the primary stream.

1   46.   (new)   The remote multimedia server of claim 45 wherein the setting of a

2   pointer for the linked stream to the same location as a pointer for the primary stream

3   further comprises setting a read audio/video pointer for the linked stream to the same

4   location as the read audio/video pointer of the primary stream.

1   47.   (new)   The remote multimedia server of claim 45 wherein the linked stream

2   2 inherits a beginning and ending address from the primary stream.

1   48.   (new)   The remote multimedia server of claim 45 wherein the linked stream

2   and the primary stream each include a read audio/video pointer and a write audio/video

3   pointer.

1   49.   (new)   The remote multimedia server of claim 48 wherein a passed pointer

2   warning is set when the linked stream read AV pointer passes the primary stream write

3   AV pointer.

1   50.   (new)   The remote multimedia server of claim 45 wherein a stream may not

2   be linked to a linked stream.

1   51.   (new)   The remote multimedia server of claim 45 wherein the linked stream

2   is disabled when the primary stream is disabled.

1   52.   (new)   The remote multimedia server of claim 45 wherein the linked stream

2   and the primary stream may be read and written to simultaneously.

1   53. (new)   The remote multimedia server of claim 52 wherein the linked stream

2   and the primary stream each include a read audio/video pointer and a write audio/video

3   painter.

1   54. (new)   The remote multimedia server of claim 53 wherein the read

2   audio/video pointer points to the next sector to read from and the write audio/video

3   pointer points to the next sector to write to.

1   55. (new)   The remote multimedia server of claim 45 further including moving

2   the pointers with a command.

1   56. (new)   A direct access storage device, comprising: at least one data storage

2   disk; and a controller for processing the coordinating writing of the at least one

3   audio/video stream received from the communication channel to the data storage disk,

4   and for coordinating reading of the at least one audio/video stream from the data storage

5   disk, the controller further providing stream linking in audio/video disk media by sending

6   a linked stream request with a number of a primary stream when additional reading or

7   writing locations in streams are desired in which each stream of locations is a range of

8   addresses on disk media for storing Audio/Video Data in a contiguous area, initiating a

9   linked stream that is linked to the primary stream, setting a pointer for the linked stream

10   to the same location as a pointer for the primary stream, and, during operation, processing

11   the pointers for both the linked stream and the primary stream.

1   57. (new)   The direct access storage device of claim 56 wherein the setting of a

2   pointer for the linked stream to the same location as a pointer for the primary stream

3   further comprises setting a read audio/video pointer for the linked stream to the same

4   location as the read audio/video pointer of the primary stream.

1   58. (new)   The direct access storage device of claim 56 wherein the linked

2   stream inherits a beginning and ending address from the primary stream.

1   59. (new)   The direct access storage device of claim 56 wherein the linked

2   stream and the primary stream each include a read audio/video pointer and a write

3   audio/video pointer.

1   60. (new)   The direct access storage device of claim 59 wherein a passed pointer

2   warning is set when the linked stream read AV pointer passes the primary stream write

3   AV pointer.

1   61. (new)   The direct access storage device of claim 56 wherein a stream may

2   not be linked to a linked stream.

1   62. (new)   The direct access storage device of claim 56 wherein the linked

2   stream is disabled when the primary stream is disabled.

1   63. (new)   The direct access storage device of claim 56 wherein the linked

2   stream and the primary stream may be read and written to simultaneously.

1   64. (new)   The direct access storage device of claim 63 wherein the linked

2   stream and the primary stream each include a read audio/video pointer and a write

3   audio/video pointer.

1   65. (new)   The direct access storage device of claim 64 wherein the read

2   audio/video pointer points to the next sector to read from and the write audio/video

3   pointer points to the next sector to write to.

1   66. (new)   The direct access storage device of claim 56 further including

2   moving the pointers with a command.

1   67. (new)   An article of manufacture comprising a program storage medium

2   readable by a computer, the medium tangibly embodying one or more programs of

3   instructions executable by the computer to perform a method for providing stream linking

4   in audio/video disk media, the method comprising:

5   when additional reading or writing locations in streams are desired in which each

6   stream of locations is a range of addresses on disk media for storing Audio/Video Data in

7   a contiguous area, sending a linked stream request with a number of a primary stream;

8   initiating a linked stream that is linked to the primary stream;

9   setting a pointer for the linked stream to the same location as a pointer for the

10   primary stream; and

11   during operation, processing the pointers for both the linked stream and the

12   primary stream.

1   68. (new)   The article of manufacture of claim 67 wherein the setting of a

2   pointer for the linked stream to the same location as a pointer for the primary stream

3   further comprises setting a read audio/video pointer for the linked stream to the same

4   location as the read audio/video pointer of the primary stream.

1   69. (new)   The article of manufacture of claim 67 wherein the linked stream

2   inherits a beginning and ending address from the primary stream.

1   70. (new)   The article of manufacture of claim 67 wherein the linked stream and

2   the primary stream each include a read audio/video pointer and a write audio/video

3   pointer.

1   71. (new)   The article of manufacture of claim 70 wherein a passed pointer

2   warning is set when the linked stream read AV pointer passes the primary stream write

3   AV pointer.

1   72. (new)   The article of manufacture of claim 67 wherein a stream may not be

2   linked to a linked stream.

1   73. (new)   The article of manufacture of claim 67 wherein the linked stream is

2   disabled when the primary stream is disabled.

1   74. (new)   The article of manufacture of claim 67 wherein the linked stream and

2   the primary stream may be read and written to simultaneously.

1   75. (new)   The article of manufacture of claim 74 wherein the linked stream and

2   the primary stream each include a read audio/video pointer and a write audio/video

3   pointer.

1   76. (new)   The article of manufacture of claim 75 wherein the read audio/video

2   pointer points to the next sector to read from and the write audio/video pointer points to

3   the next sector to write to.

1   77. (new)   The article of manufacture of claim 67 further including moving the

2   pointers with a command.

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